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September 20, 2004

To: Commissioner for Patents
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Subject: | Serial No. 10/799,103 03/12/04 |

Thomas Aisenbrey

CONDUCTOR CENTER-CORE EXTRUSION,
COMPRESSION, AND INJECTION MOLDINGS
FOR LOW COST ANTENNAS USING CONDUCTIVE
PLASTICS OR CONDUCTIVE COMPOSITES

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation
In An Application.

The following Patents and/or Publications are submitted to
comply with the duty of disclosure under CFR 1.97-1.99 and
37 CFR 1.56.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
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P.O. Box 1450, Alexandria, VA 22313-1450, on September 21, 2004.

Stephen B. Ackerman, Reg.# 37761

Signature/Date SB Ackerman 9/21/04

A translation of the following abstract is attached:

Patent Abstracts of Japan JP 57166702 to Kosugi Shozo, "Antenna," discusses shortening the overall length of an antenna fitted to a running vehicle such as a car by covering a conductive core such as a copper wire with an electric insulating film, and sticking a carbon film or carbon coating film to said insulating film

U.S. Patent 4,008,477 to Babij et al., "Antenna with Inherent Filtering Action," discusses the provision of a receiving antenna constructed so as to exhibit inherent filtering action to thereby shape the frequency response curve thereof.

U.S. Patent 6,356,234 to Harrison et al., "Electrical Circuit," discusses an electrical circuit and a system for producing such a circuit.

U.S. Patent 6,249,261 to Solberg, Jr. et al., "Polymer, Composite, Direction-finding Antenna," discloses a direction-finding antenna constructed from polymer composite materials which are electrically conductive with the polymer composite materials replacing traditional metal materials.

U.S. Patent 5,554,997 to Cobb, "Graphite Composite Structures Exhibiting Electrical Conductivity," discloses electrically conductive composite materials and particularly graphite epoxy composite materials formed into conductive structures.

European Patent Application EP 1 233 426 A to Aisenbrey, "Antennas with Conductive Plastics or Conductive Composites," discloses low cost antennas formed of conductive loaded resin-based materials.

Patent Abstracts of Japan JP 56064502 (English Abstract only) to Kamo Yasushi, "Antenna," discusses increasing the antenna sensitivity, by distributing in series the 1st part consisting of the conductor only and the 2nd part consisting of the conductor buried into the ceramics along the direction of length of the antenna.

Patent Abstracts of Japan JP 03044203 (English Abstract only) to Naito Akira, "Antenna," discusses miniaturizing a wave transmitter-receiver and improving the weather resistance and the reception sensitivity by providing a magnetic power compounded layer on the outer circumference of the wave transmitter-receiver.

Sincerely,



Stephen B. Ackerman, Reg.# 37761

SEP 23 2004 (Use several sheets if necessary)

Application Number

10/799, 103

Thomas Aisenbren

03/12/04

Group Art Unit

[illegible]

DOCUMENT NUMBER										DATE	COUNTRY	CLASS	SUBCLASS	Translation	
														YES	NO
JP	5	7	1	6	6	7	0	2	10/14/82	Japan	H01Q	1/36			
EP	1	2	3	3	4	2	6	A	2/15/02	European Patent App	H01B	1/22			
JP	0	3	0	4	4	2	0	3	2/26/91	Japan	H01Q	9/16			
JP	5	6	0	6	4	5	0	2	6/1/81	Japan	H01Q	1/40			

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.